

OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

Edited by

FRANCIS HEMMING, C.M.G., C.B.E.

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OPINION 534

Emendation under the Plenary Powers to *Conchoecia* of the generic name *Conchaecia* Dana (J.D.), 1849, and designation under the same Powers of a type species in harmony with accustomed usage for the genus so named (Class Crustacea, Order Ostracoda)

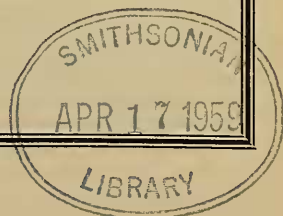
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INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

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Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria", Genova, Italy*) (16th December 1954)

OPINION 534

EMENDATION UNDER THE PLENARY POWERS TO "CONCHOECIA" OF THE GENERIC NAME "CONCHAECIA" DANA (J.D.), 1849, AND DESIGNATION UNDER THE SAME POWERS OF A TYPE SPECIES IN HARMONY WITH ACCUSTOMED USAGE FOR THE GENUS SO NAMED (CLASS CRUSTACEA, ORDER OSTRACODA)

RULING :—(1) The following action is hereby taken under the Plenary Powers :—

- (a) The emendation to *Conchoecia* of the generic name *Conchaecia* Dana (J.D.), 1849, is hereby validated.
- (b) The nominal species *Conchoecia magna* Claus, 1874, is hereby designated to be the type species of the foregoing genus.

(2) The under-mentioned generic names are hereby placed on the *Official List of Generic Names in Zoology* with the Name Numbers severally specified below :—

- (a) *Conchoecia* (emend. under the Plenary Powers in (1)(a) above of *Conchaecia*) Dana (J.D.), 1849 (gender : feminine) (type species, by designation under the Plenary Powers in (1)(b) above : *Conchoecia magna* Claus, 1874) (Name No. 1323) ;
- (b) *Halocypris* Dana (J.D.), [1853] (gender : feminine) (type species, by selection by Sylvester-Bradley (P.C.) (1956) : *Conchaecia inflata* Dana (J.D.), 1849) (Name No. 1324).

(3) The under-mentioned generic name is hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name No. 1222 :—

- Conchaecia* Dana (J.D.), 1849 (a name rejected under the Plenary Powers in (1)(a) above as an Invalid Original Spelling for *Conchoecia*).

(4) The under-mentioned specific names are hereby placed on the *Official List of Specific Names in Zoology* with the Name Numbers severally specified below :—

- (a) *magna* Claus, 1874, as published in the combination *Conchoecia magna* (specific name of type species of *Conchoecia* (emend. of *Conchaecia*) Dana (J.D.), 1849) (Name No. 1590) ;
- (b) *inflata* Dana (J.D.), 1849, as published in the combination *Conchaecia inflata* (specific name of type species of *Halocypris* Dana (J.D.), [1853]) (Name No. 1591).

(5) The under-mentioned family-group names are hereby placed on the *Official List of Family-Group Names in Zoology* with the Name Numbers severally specified below :—

- (a) HALOCYPRIDIDAE (correction of HALOCYPRIDAE) Dana (J.D.), [1853] (type genus : *Halocypris* Dana (J.D.), [1853]) (Name No. 252) ;

(b) CONCHOECIIDAE (correction of CONCHOECIDAE) Sars, [1866] (type genus : *Conchoecia* Dana (J.D.), 1849) (for use by any specialist who may regard this name as representing a taxon distinct from HALOCYPRIDIDAE) (Name No. 253).

(6) The under-mentioned family-group names are hereby placed on the *Official Index of Rejected and Invalid Family-Group Names in Zoology* with the Name Numbers severally specified below :—

(a) HALOCYPRIDAE Dana (J.D.), [1853] (an Invalid Original Spelling for HALOCYPRIDIDAE) (Name No. 282) ;

(b) CONCHOECIDAE Sars, [1866] (an Invalid Original Spelling for CONCHOECIIDAE) (Name No. 283).

I. THE STATEMENT OF THE CASE

On 22nd March 1955 there was received in the Office of the Commission a preliminary application for the use of the Plenary Powers for the purpose, partly of validating the emendation to *Conchoecia* of the generic name *Conchaecia* Dana, 1849 (Class Crustacea, Order Ostracoda) and partly of designating a type species in harmony with accustomed usage for the genus so named. The above application had been prepared by Mr. P. C. Sylvester-Bradley (*University of Sheffield, England, and then of the University of Kansas, Lawrence, Kansas, U.S.A.*). After an exchange of correspondence between the Secretary and the applicant which led to the clarification of certain matters dealt with, the application was submitted to the Commission in final form by Mr. Sylvester-Bradley on 17th May 1956. The application so submitted was as follows :—

Proposed use of the Plenary Powers for validating the currently accepted spelling "Conchoecia" for the generic name "Conchaecia" Dana, 1849 (Class Crustacea, Order Ostracoda) and for the designation of a type species in harmony with accustomed usage

By P. C. SYLVESTER-BRADLEY

(*University of Sheffield, England, and University of Kansas, U.S.A.*) ..

with an Appendix by E. J. ILES

(*University of Manchester, England*)

The object of the present application is, first, to secure the validation of the spelling *Conchoecia* which for over a hundred years has been in current use for the Ostracod introduced under the name *Conchaecia* by Dana in 1849 (*Proc. amer. Acad. Arts Sci.* 2 : 9-61)*—the most abundant and probably best-known planktonic marine Ostracod genus in existence ; and, secondly, to designate as type species of the genus a species which will ensure the name will continue in use in the accustomed sense.

* The date for this name is given by Neave in his *Nomenclator* as "(? 1849) 1852". The correct date is "1849". Dana's paper appears to have been published on November 8, 1849. Volume 2 appeared between May 1848 and May 1852. An abstract of the article in question appeared in the *American Journal of Science* for 1849.

2. Dana introduced the name *Conchaecia* in 1849 for four species of Ostracod (*op. cit.* : 51–53). In 1853 (*U.S. explor. Exped.* 1838–1842.14 : 1277–1618) he changed the spelling to *Conchoecia*. This change must be regarded in the terms introduced at Copenhagen, 1953 (*Copenhagen Decisions zool. Nomencl.* : 44), as an Invalid Emendation. Notwithstanding this, it has been universally adopted with the revised spelling, and no use of the former spelling (apart from bibliographic references) is known to the author—this despite the fact that the genus represents an extremely well-known group of abundant, cosmopolitan, planktonic Ostracods. (Müller, 1912 (*Das Tierreich*, Leif. 31), recognises eighty species.)

3. The four species introduced by Dana in 1849 under the generic name were all new and were named respectively : *C. agilis*, *C. rostrata*, *C. brevisrostris*, and *C. inflata* (: 52).

4. No subsequent selection of a type species has yet been made. The two latter species listed were later removed by Dana to another genus, *Halocypris* Dana, [1853] (*U.S. explor. Exped.* 13/14(2) : 1301) (see paragraph 7 below). Dr. E. J. Iles, in Appendix A to the present application shows that neither of the two former nominal species would make a happy choice as type species, as it is not possible, from Dana's description, to make out which of the characters now considered diagnostic of the genus is possessed by either of them, and type specimens have not been preserved. No author other than Dana himself appears to have since recognised either species. Dr. Iles therefore recommends that, in order to place the genus *Conchoecia* on a firm basis, the Commission should use its Plenary Powers to designate as type species a species whose characters are well-known, and which agree with those currently recognised as those of the genus in its restricted sense. The species which, on these grounds, he recommends should be designated as type species is *Conchoecia magna* Claus (1874, *Schriften Zool. Inhalts*, Wien, 1: 6 ; pl. 1, fig. 6'c ; pl. 2, fig. 16, 18), and accordingly this recommendation is included in the present application.

5. The genus is the type genus of the family introduced in the form CONCHOECIDAE by Sars, [1866] (*Forh. Vidensk.Selsk. Krist.* 1865 : 1–130). Correctly the family-name based on the spelling *Conchoecia* should be CONCHOECIIDAE.

6. Currently many taxonomists believe the genera *Conchoecia* and *Halocypris* to be members of the same subfamily. The genus *Halocypris* is the type genus of the family introduced by Dana ([1853] : 1281) under the name HALOCYPRIDAE, but correctly spelled HALOCYPRIDIDAE. This family name is therefore a senior subjective synonym of the name CONCHOECIIDAE.

7. The genus *Halocypris* was introduced by Dana ([1853] : 52) for the two species *Conchaecia inflata* Dana, 1849, and *C. brevisrostris* Dana, 1849. G. W. Müller (1912 : 58) regarded these two names as synonyms using the name *Halocypris inflata* for the resulting taxon. No type species has as yet, however, been definitely selected, and I therefore formally now select *Conchaecia inflata* Dana, 1849, to be the type species of the genus *Halocypris* Dana, [1853].

8. It would be pedantic in the extreme and contrary to the interests of stability and universality to insist in the case of *Conchoecia* on the strict

application of the provisions made at Copenhagen, which would result in a change in the spelling of a name which has been in universal use for 102 years.

9. The International Commission on Zoological Nomenclature is accordingly asked :—

(1) to use its Plenary Powers :—

(a) to validate the currently accepted emendation to *Conchoecia* of the generic name *Conchaecia* Dana (J.D.), 1849 ;

(b) to designate as the type species of the genus *Conchoecia* Dana, 1849, the species *Conchoecia magna* Claus, 1874 ;

(2) to place the following names on the *Official List of Generic Names in Zoology* :—

(a) *Conchoecia* (emendation under the Plenary Powers under (1)(a) above of *Conchaecia*) Dana (J.D.), 1849 (gender : feminine) (type species, by designation under the Plenary Powers under (1)(b) above : *Conchoecia magna* Claus, 1874) ;

(b) *Halocypris* Dana (J.D.), [1853] (gender : feminine) (type species, by selection in paragraph 7 of the present application : *Conchaecia inflata* Dana (J.D.), 1849) ;

(3) to place the generic name *Conchaecia* Dana (J.D.), 1849, an Original Spelling suppressed under the Plenary Powers in (1)(a) above to the extent there specified, on the *Official Index of Rejected and Invalid Generic Names in Zoology* ;

(4) to place the following names on the *Official List of Specific Names in Zoology* :—

(a) *magna* Claus, 1874, as published in the combination *Conchoecia magna* (specific name of type species of *Conchoecia* Dana (J.D.), 1849) ;

(b) *inflata* Dana (J.D.), 1849, as published in the combination *Conchaecia inflata* (specific name of type species of *Halocypris* Dana, [1853]) ;

(5) to place the following names on the *Official List of Family-Group Names in Zoology* :—

(a) HALOCYPRIDIDAE (correction of HALOCYPRIDAE) Dana (J.D.), [1853] (type genus : *Halocypris* Dana (J.D.), [1853]) ;

(b) CONCHOECIIDAE (correction of CONCHOECIDAE) Sars, [1866] (type genus : *Conchoecia* Dana (J.D.), 1849) (for use by any specialist who may regard this name as representing a taxon distinct from HALOCYPRIDIDAE) ;

(6) to place the following names on the *Official Index of Rejected and Invalid Family-Group Names in Zoology* :—

(a) HALOCYPRIDAE Dana (J.D.), [1853] (an Invalid Original Spelling for HALOCYPRIDIDAE) ;

(b) CONCHOECIDAE Sars, [1866] (an Invalid Original Spelling for CONCHOECIIDAE).

APPENDIX A

The selection of a type species for the genus
" *Conchoecia* " Dana, 1849

By E. J. ILES

(University of Manchester)

So far no type species has been selected for the genus *Conchoecia* Dana, 1849.

2. Dana included four species in the genus. Of these his *C. brevirostris* and *C. inflata* have since been removed to the genus *Halocypris* and are thus not available. The description of his *C. agilis* and *C. rostrata* (Dana, 1849 and 1852) are sufficient for the characterisation of the genus in the classic sense, but lack of information regarding diagnostic features makes specific recognition impossible.

3. Several workers have subdivided the genus *Conchoecia* in its original sense. Claus (1890) followed by Granata and Caporiacco (1949) subdivided it into several genera. Müller (1906) followed by Skogsberg (1920) included in it several species-groups. Since separation of some species into other genera will probably become accepted practice, it is clearly necessary that the type species of the genus *Conchoecia* shall be recognisable. Neither of Dana's species would be suitable.

4. Claus (1890) and Granata and Caporiacco (1949) applied the term *Conchoecia* in a restricted sense without selecting a type species. It is clearly desirable that a choice of type species of the genus should not invalidate application of the name in the sense of either of these publications. On these grounds there would appear to be four species available for the selection of the type species. These are : *C. magna* Claus, 1874, *C. spirostris* Claus, 1874, *C. subarcuata* Claus, 1890, and *C. hyalophyllum* Claus, 1890.

5. Müller (1906) followed by Skogsberg (1920) included these four species in a species-group termed the *magna* group, implying that *C. magna* was the typical species of the group. Although the rules do not cover the use of a species-group, this group would be involved from a taxonomic viewpoint as a synonym of the term *Conchoecia* when used in a restricted sense. It would be desirable that *C. magna* should be selected as type species of the genus.

6. Unfortunately, as has been pointed out by Skogsberg (1946) there may have been some confusion in the application of the name *C. magna*. He considered that when Claus defined the restricted group *Conchoecia* in 1890 he had erroneously referred his new material to *C. magna* Claus (1874) and Müller had made the same error in defining his *magna* group in 1906. Skogsberg is of the opinion that in both cases the material was of *C. tetragona* Sars (1887). Both Müller and Claus, however, considered *C. tetragona* Sars (1887) to be a synonym of *C. magna* Claus (1874), so that even if the species are distinct the inclusion of *C. magna* in *Conchoecia* sensu Claus (1890) and in the *magna* species group of Müller (1906) is inferred.

7. If, however, *C. tetragona* does prove to be a synonym of *C. magna*, the latter is the valid name by priority. Furthermore an examination of the

literature shows that there is little likelihood of *C. magna* being a synonym of any earlier published name. Dana's species, as pointed out above, are unlikely to be recognised. Sars (1866) described species which are well known and clearly differentiated. Lubbock (1856 and 1860) described species which, though not all well known, are quite distinct.

8. It is thus proposed that the Plenary Powers of the International Commission of Zoological Nomenclature should be applied to designate *Conchoecia magna* Claus, 1874 (: 6, pl. 1 and 2) to be the type species of the genus *Conchoecia* Dana, 1849.

ANNEXE TO APPENDIX A

References :

- Claus, C., 1874 "Die Familie der Halocypriden". *Schriften zool. Inhalts.* H. I pp. 1-16
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- Müller, G. W., 1906 "Ostracoda" *Wiss. ergeb. deutsch. Tiefsee-Exped.* 8(Lief 2) : 29-154, pls. 5-35
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APPENDIX B

Support for and opposition to the foregoing application

The following taxonomists have written to the author in support of the foregoing Application. At the time their opinions were solicited, however, that part of the Application which related to the type-species of *Conchoecia* and *Halocypris* had not been drafted. Consequently only Dr. E. J. Iles and

Professor H. Graham Cannon have considered these questions. They both give their unqualified support.

- (a) Prof. H. Graham Cannon, University of Manchester, England :
(15 December 1955) ;
- (b) Dr. Olaf Elofson, Institute of Zoology, Uppsala, Sweden :
“ I support the application in its entirety ” (8 November 1955) ;
- (c) Dr. N. Grekoff, Institut Français du Pétrole, Rueil-Malmaison, France :
“ D'accord pour *Conchoecia* au lieu de *Conchaecia* et pour les Conchoeciidae ” (14 October 1955) ;
- (d) Dr. J. P. Harding, British Museum (Natural History) :
“ I support this application for the validation of the currently accepted spelling '*Conchoecia*' ” (13 October 1955) ;
- (e) Dr. E. J. Iles, University of Manchester, England :
“ I support the proposal that the International Commission should use its Plenary Powers to validate the spelling *Conchoecia* for the genus described by Dana (1849) with the spelling *Conchaecia*. The spelling *Conchoecia* would seem to be the more correct derivation from the roots, a fact that must have been realised by Dana when at the first opportunity he changed his original spelling. The case would seem to fall under the terms of Article 19, and since no other spelling than *Conchoecia* seems since to have been used (other than in bibliographic references) no confusion would be introduced ” (21 October 1955) ;
- (f) Dr. Robert V. Kesling, Museum of Paleontology, University of Michigan, U.S.A. :
“ I support this proposal without reservation ” (24 September 1955) ;
- (g) Dr. A. J. Key, Geologisch Instituut, Utrecht, Netherlands :
“ I herewith declare that I fully agree to the application of Prof. Dr. P. C. Sylvester-Bradley to validate the generic name *Conchoecia*, instead of the original spelling *Conchaecia*. I am satisfied that it is preferable to follow the accustomed usage of more than a century, than to strictly apply the Rules of Zoological Nomenclature ” (26 September 1955) ;
- (h) Dr. H. Oertli, Bern, Switzerland :
“ I fully agree with the proposal to declare *Conchoecia* instead of *Conchaecia* valid and to place *Conchoecia* and especially CONCHOECIDAE, on the *Official List of Generic, and Family-Group Names* respectively (24 September 1955) ;
- (i) Dom Remacle Rome, Louvain, Belgium : (23 September 1955) ;
- (j) Dr. Prof. Giuliano Ruggieri, University of Bologna, Italy : (26 October 1955) ;
- (k) Dr. Robert H. Shaver, Department of Geology, University of Mississippi, U.S.A. :
“ I should like to go on record entirely in support of your proposals as a result of conditions as stated ” (22 September 1955) ;

One taxonomist has written in opposition to the Application :

Dr. Ivar Hessland, Geologiska Institutet, Stockholm, Sweden :

“As a matter of principle I am for the original spelling of *Conchoecia*, i.e. *Conchaecia*. I am for the correction of the family name to CONCHAECIIDAE” (6 October 1955).

II. THE SUBSEQUENT HISTORY OF THE CASE

2. Registration of the present application : Upon the receipt of Mr. Sylvester-Bradley's preliminary application the question of the validation under the Plenary Powers to *Conchoecia* of the generic name *Conchaecia* Dana (J.D.), 1849 (Class Crustacea, Order Ostracoda) was allotted the Registered Number Z.N.(S.) 1023.

3. Publication of the present application : The present application was sent to the printer on 31st May 1956 and was published on 24th August of that year in Double-Part 7/8 of Volume 12 of the *Bulletin of Zoological Nomenclature* (Sylvester-Bradley, 1956, *Bull. zool. Nomencl.* 12 : 213-220).

4. Issue of Public Notices : Under the revised procedure prescribed by the Thirteenth International Congress of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* 4 : 51-56), Public Notice of the possible use by the International Commission on Zoological Nomenclature of its Plenary Powers in the present case was given on 24th August 1956 (a) in Double-Part 7/8 of Volume 12 of the *Bulletin of Zoological Nomenclature* (the Part in which Mr. Sylvester-Bradley's application was published) and (b) to the other prescribed serial publications. In addition such Notice was given to four general zoological serial publications.

5. Comments received before the publication of the present application : Extensive consultations in regard to the present case had been undertaken by the applicant with interested specialists before the present application was placed before the Commission. The communications so elicited were set out by the applicant in Appendix B to the paper submitted to the Commission.¹ Of the twelve specialists concerned eleven supported the action recommended in the present case. One specialist expressed himself as being in favour of the retention of the original spelling *Conchaecia* for the generic name, the emendation of which to *Conchoecia* was recommended by the other specialists consulted.

6. Comment received from G. Hartmann after the publication of the present application : On 14th February 1957, Dr. G. Hartmann (*Museum der Stadt, Osnabrück, Germany*) addressed to Mr. Sylvester-Bradley, the applicant in the present case, a letter in support of three applications recently published in the *Bulletin of Zoological Nomenclature*. The letter in question was communicated to the Office of the Commission and the following extract is that relevant to the present case (Hartmann, 1957, *Bull. zool. Nomencl.* 13 : 104) :—

With regard to your papers on *Limnocythere*, *Candona* and *Conchoecia* it is really lucky that you have reached such good conclusions in these cases.

¹ For the Appendix here referred to see pages 8 to 10 of the present *Opinion*.

I think it is best to stabilise the nomenclature of these genera in taking the usual form of the names.

.....

Conchoecia : In my opinion there is no difference between HALOCYPRIDIDAE and CONCHOECIIDAE. One should use the former name (HALOCYPRIDIDAE).

III. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

7. Issue of Voting Paper V.P.(57)30 : On 15th March 1957 a Voting Paper (V.P.(57)30) was issued in which the Members of the Commission were invited to vote either for, or against, "the proposal relating to the generic name *Conchoecia* Dana, 1849, as set out in Points (1) to (6) in paragraph 9 on pages 215-216 in Volume 12 of the *Bulletin of Zoological Nomenclature*" [i.e. in the paragraph numbered as above in the paper reproduced in the first paragraph of the present *Opinion*].

8. The Prescribed Voting Period : As the foregoing Voting Paper was issued under the Three-Month Rule, the Prescribed Voting Period closed on 15th June 1957.

9. Particulars of the Voting on Voting Paper V.P.(57)30 : At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(57)30 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-three (23) Commissioners (arranged in the order in which Votes were received)* :

Mayr ; Vokes ; Hering ; Boschma ; Lemche ; Bodenheimer ; Riley ; Prantl ; Holthuis ; Dymond ; Esaki ; Jaczewski ; do Amaral ; Bonnet ; Hemming ; Mertens ; Key ; Tortonese ; Cabrera ; Kühnelt ; Stoll ; Bradley (J.C.) ; Sylvester-Bradley ;

(b) *Negative Votes* :

None ;

(c) *Voting Papers not returned, two (2)* :

Hankó ; Miller.²

10. Declaration of Result of Vote : On 16th June 1957, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(57)30, signed a Certificate that the Votes cast were as set out in paragraph 9 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

11. Preparation of the Ruling given in the present "Opinion" : On 30th April 1958, Mr. Hemming prepared the Ruling given in the present *Opinion* and at the same time signed a Certificate that the terms of that Ruling were

² After the close of the Prescribed Voting Period a late vote was received from Commissioner Miller, who voted in favour of the proposals submitted with the exception of the portion relating to the emendation to *Conchoecia* of the generic name *Conchaecia*.

in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(57)30.

12. Original References for Generic and Specific Names : The following are the original references for the generic and specific names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Opinion* :—

Conchaecia Dana (J.D.), 1849 (an Invalid Original Spelling for *Conchoecia*)
Conchoecia (emend. of *Conchaecia*) Dana (J.D.), 1849, *Proc. amer. Acad. Arts Sci.* 2 : 51–53

Halocypris Dana (J.D.), [1853], *U.S. explor. Exped.* 13/14(2) : 1301

inflata, *Conchaecia*, Dana (J.D.), 1849, *Proc. amer. Acad. Arts Sci.* 2 : 52

magna, *Conchoecia*, Claus, 1874, *Schriften zool. Inhalts*, Wien 1 : 6, pl. 1, fig. 6c ; pl. 2, figs. 16, 18

13. Reference for the type species of a nominal genus : The following is the reference for the selection of a type species for a nominal genus specified in the Ruling given in the present *Opinion* :—

For *Halocypris* Dana, [1853]

Sylvester-Bradley (P.C.), 1956,
Bull. zool. Nomencl. 12 : 214,
 paragraph 7

14. Original References for Family-Group Names : The following are the original references for family-group names placed by the Ruling given in the present *Opinion* on the *Official List* or, as the case may be, on the *Official Index* of names of taxa of the family-group category :—

CONCHOECIDAE Sars, [1866] (an Invalid Original Spelling for CONCHOECIIDAE)

CONCHOECIDAE (correction of CONCHOECIDAE) Sars, [1866], *Forh. Vidensk.Selsk. Krist.* 7 : 114

HALOCYPRIDAE Dana (J.D.), [1853] (an Invalid Original Spelling for HALOCYPRIDIDAE)

HALOCYPRIDIDAE (correction of HALOCYPRIDAE) Dana (J.D.), [1853], *U.S. explor. Exped.* 13/14(2) : 1281

15. Compliance with Prescribed Procedures : The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Opinion* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

16. "Opinion" Number : The present *Opinion* shall be known as *Opinion* Five Hundred and Thirty-Four (534) of the International Commission on Zoological Nomenclature.

DONE in London, this Thirtieth day of April, Nineteen Hundred and Fifty-Eight.

*Secretary to the International Commission
 on Zoological Nomenclature*

FRANCIS HEMMING